

DERWENT-ACC-NO: 1978-12750A

DERWENT-WEEK: 197807

COPYRIGHT 2005 DERWENT INFORMATION LTD

TITLE: Anticorrosive resin powder coating compsn. -  
prepd. by mixing thermosetting or thermoplastic resin  
with chelating agent and/or tannic acid

PATENT-ASSIGNEE: NIPPON PAINT CO LTD[NIPA]

PRIORITY-DATA: 1974JP-0045948 (April 25, 1974)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES MAIN-IPC		
JP 50139129 A	November 6, 1975	N/A
000 N/A		
JP 84001757 B	January 13, 1984	N/A
000 N/A		

INT-CL (IPC): C08K000/00, C09D005/00

ABSTRACTED-PUB-NO: JP 50139129A

BASIC-ABSTRACT:

Powder coating compsns., giving anticorrosive coating films on steel sheets,  
are prep'd. by mixing thermosetting or thermoplastic resins with  
chelating agents and/or tannic acid.

In an example, 100 pts. of an acrylic copolymer prep'd. from a  
monomer mixt. of  
glycidyl methacrylate 15, Me methacrylate 20, iso-Bu methacrylate 15,  
styrene  
40, and et acrylate 10% was dry mixed with TiO<sub>2</sub> 40.0, Modaflow 1.0,  
adipic acid  
7.5, and salicylic acid (chelating agent) 3.0 parts, melt mixed at 80  
degrees,  
and ground to give a resin powder coating compsn., which was coated  
on a steel  
sheet and baked 20 min at 200 degrees to give a glossy, smooth,  
impact-resistant coating film with good salt water, moisture, acid,

and alkali  
resistances.

TITLE-TERMS: ANTICORROSIVE RESIN POWDER COATING COMPOSITION  
PREPARATION MIX

THERMOSETTING THERMOPLASTIC RESIN CHELATE AGENT TANNIC  
ACID

DERWENT-CLASS: A14 A82 G02

CPI-CODES: A12-B04; A12-S09; G02-A02B; G02-A05E;

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Key Serials: 0035 0037 0224 0231 0307 0496 0503 0538 0545 0552 0608  
1282 1633

2020 2198 2317 2426 2439 2493 2541 2542 2607 2609 2617 2661 2728 2792  
2593

Multipunch Codes: 011 034 04- 055 056 074 075 076 077 081 082 083 085  
092 157

226 231 28& 328 335 336 359 37- 393 431 44& 47& 473 477 479 516 521  
541 545 549

551 556 575 597 602 656 720